RCA Cunningham Radiotron RADIO TUBES

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RCA-50

POWER AMPLIFIER

Filament		Coated		
Voltage		7.5		a-c or d-c volts
Current		1.25		amp.
Direct Interelectrode Capacitances:				
Grid to Plate		7.1		µµf
Grid to Filament		4.2		µµf
Plate to Filament		3.4		µµf
Maximum Overall Length				6-1/4"
Maximum Diameter				2-7/16"
Bulb				ST-19
Base				Med. 4-Pin Bay.
Pin 1-Filament				Pin 3-Grid
Pin 2-Plate				Pin 4-Filament

BOTTOM VIEW

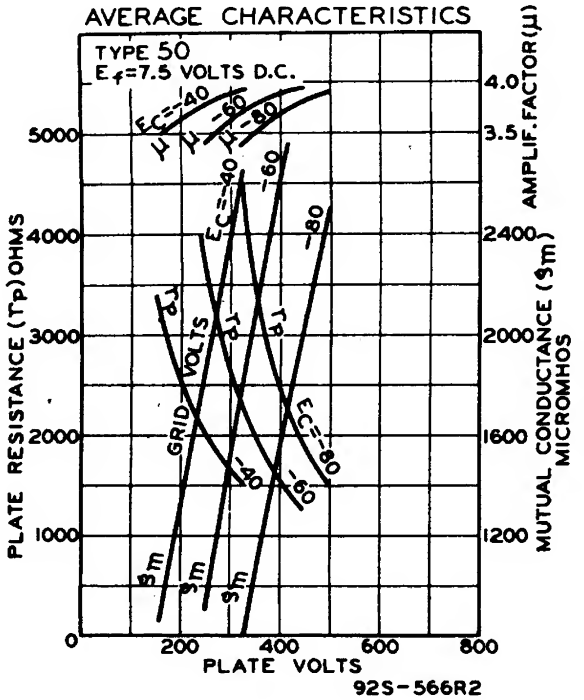
AMPLIFIER (Class A)

Operating Conditions and Characteristics:

Filament	7.5	7.5	7.5	7.5	a-c volts
Plate	300	350	400	450 max.	volts
Grid *	-54	-63	-70	-84	volts
Amp. Fact.	3.8	3.8	3.8	3.8	
Plate Res.	2000	1900	1800	1800	ohms
Mut. Cond.	1900	2000	2100	2100	µmhos
Plate Cur.	35	45	55	55	ma.
Load Res.	4600	4100	3670	4350	ohms
U.P.O.	1.6	2.4	3.4	4.6	watts

Self-bias is advisable in all cases. The resistance in the grid-coupling circuit should not exceed 10000 ohms.

* Grid volts measured from mid-point of a-c operated filament.



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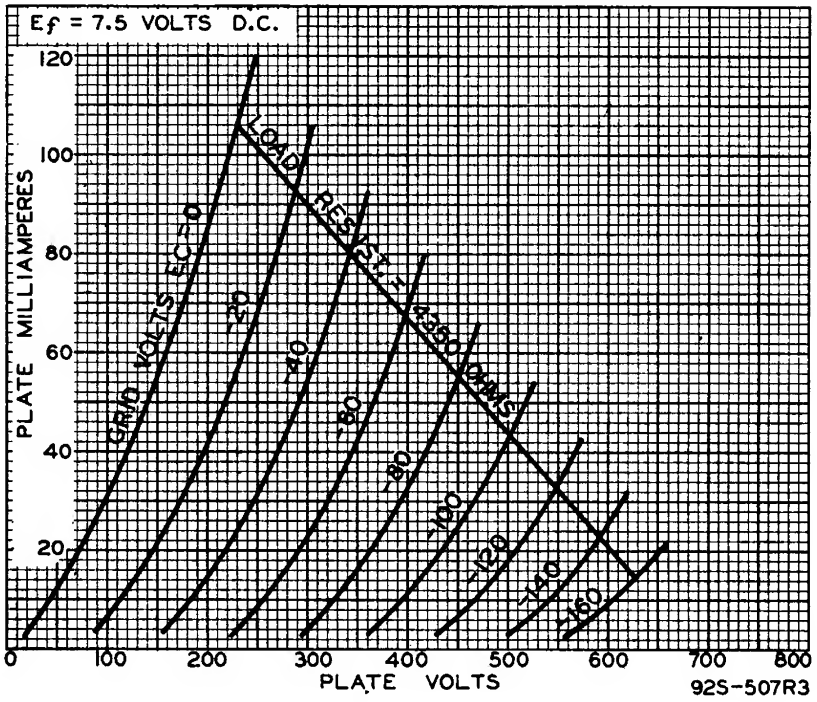
AVERAGE PLATE CHARACTERISTICS



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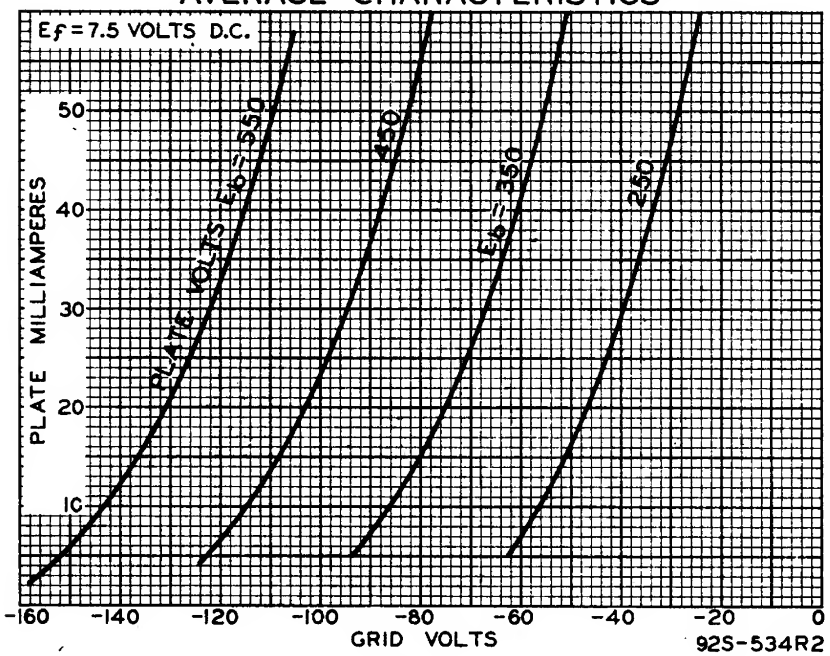
AVERAGE CHARACTERISTICS



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SEPT. 13, 1935

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-4474